

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A sheet of material substrate comprising a plurality of individual fibers having at least one surface, wherein the at least one surface of the plurality of individual fibers have ~~having~~ an admicellar hydrophobic polymer coating thereon ~~on at least one surface thereof, the hydrophobically coated substrate~~ prepared by the process comprising the steps of:
  - providing a sheet of material ~~having substrate comprised of a plurality of individual fibers, a first surface and a second surface wherein each of the plurality of individual fibers~~ ~~sheet of material consists of natural and synthetic fibers having at least one surface;~~
  - providing an aqueous hydrophobic coating composition containing a surfactant and a monomer of a hydrophobic polymer;
  - providing an initiator;
  - coating ~~at least one of the first and second~~ the at least one ~~surface of the sheet of material~~ plurality of individual fibers with the aqueous hydrophobic coating composition;

- introducing the initiator into the hydrophobic coating composition disposed on ~~at least one of the first and second~~ ~~the at least one surface surfaces of the sheet of material plurality of individual fibers~~; and
- initiating an admicellar polymerization reaction on ~~at least one of the first and second~~ ~~the at least one surface surfaces of the sheet of material plurality of individual fibers~~ coated with the aqueous hydrophobic coating composition for a predetermined period of time such that a hydrophobic polymer coating forms on ~~at least one of the first and second~~ ~~the at least one surface surfaces of the sheet of material, wherein the sheet of material plurality of individual fibers, wherein the substrate having the admicellar hydrophobic polymer coating thereon has an air permeability ratio of at least 95% of the air permeability of an uncoated substrate.~~

2. (Currently Amended) The ~~sheet of material substrate~~ of claim 1, wherein the ~~sheet of material substrate~~ is selected from the group consisting of cloth, burlap, polyesters, paper, cardboard and combinations thereof.

3. (Currently Amended) The ~~sheet of material~~ substrate of claim 1, wherein the surfactant is selected from the group consisting of sodium dodecyl sulfate, linear alkyl benzene sulfonate, and combinations thereof.

4. (Currently Amended) The ~~sheet of material~~ substrate of claim 1, wherein the monomer of a hydrophobic polymer is styrene.

5. (Currently Amended) The ~~sheet of material~~ substrate of claim 1, wherein the initiator is sodium persulfate.

6. (Currently Amended) The ~~sheet of material~~ substrate of claim 1, wherein the initiator is AIBN.

7. (Currently Amended) The ~~sheet of material~~ substrate of claim 1, wherein the ~~sheet of material~~ substrate having the hydrophobic coating composition disposed on ~~at least one of the first and second~~ the at least one surface of the plurality of individual fibers and the initiator introduced thereon is heated to a temperature of from about 60 degrees Celsius to about 100 degrees Celsius for a predetermined time of from about 30 minutes to about 180 minutes.

8. (Currently Amended) The ~~sheet of material substrate~~ of claim 7, wherein the ~~sheet of material substrate~~ having the hydrophobic coating composition disposed on ~~at least one of the first and second~~ ~~the at least one~~ surface and the initiator introduced thereon is heated to a temperature of 80 degrees Celsius for a predetermined time of 60 minutes.